

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/511,530A  
Source: 1 FWO  
Date Processed by STIC: 11/8/06

# ***ENTERED***



IFWO

## RAW SEQUENCE LISTING

DATE: 11/08/2006

PATENT APPLICATION: US/10/511,530A

TIME: 11:37:42

Input Set : E:\18519-26 Sequence Listing.txt

Output Set: N:\CRF4\11082006\J511530A.raw

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3 <110> APPLICANT: CEREMEDIX, INC.
4     Adams, David S.
5     Shashoua, Victor E.
7 <120> TITLE OF INVENTION: Peptide-Dependent Upregulation of Telomerase Expression
9 <130> FILE REFERENCE: 18519-26
11 <140> CURRENT APPLICATION NUMBER: US 10/511,530A
12 <141> CURRENT FILING DATE: 2004-10-15
14 <160> NUMBER OF SEQ ID NOS: 31
16 <170> SOFTWARE: PatentIn version 3.3
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 12
20 <212> TYPE: PRT
21 <213> ORGANISM: Homo sapiens
24 <220> FEATURE:
25 <221> NAME/KEY: MISC_FEATURE
26 <222> LOCATION: (1)..(12)
27 <223> OTHER INFORMATION: Sequence may include an amino terminal capping group and/or a
28     carboxy terminal capping group
30 <400> SEQUENCE: 1
32 Gln Tyr Lys Leu Gly Ser Lys Thr Gly Pro Gly Gln
33 1           5           10
36 <210> SEQ ID NO: 2
37 <211> LENGTH: 6
38 <212> TYPE: PRT
39 <213> ORGANISM: Homo sapiens
42 <220> FEATURE:
43 <221> NAME/KEY: misc_feature
44 <222> LOCATION: (1)..(6)
45 <223> OTHER INFORMATION: Sequence may include an amino terminal capping group and/or a
46     carboxy terminal capping group
48 <400> SEQUENCE: 2
50 Gln Thr Leu Gln Phe Arg
51 1           5
54 <210> SEQ ID NO: 3
55 <211> LENGTH: 7
56 <212> TYPE: PRT
57 <213> ORGANISM: Homo sapiens
60 <220> FEATURE:
61 <221> NAME/KEY: MISC_FEATURE
62 <222> LOCATION: (1)..(7)
63 <223> OTHER INFORMATION: X at position 1 is Asp or Asn; X at position 3 is Asp or Asn;
X 64     at position 4 is absent or Gly; X at position 5 is absent, Asp,
65     or Phe; X at position 6 is absent, Ala or Phe; X at position 7 is

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66      absent or Ala
68 <220> FEATURE:
69 <221> NAME/KEY: MISC_FEATURE
70 <222> LOCATION: (1)..(7)
71 <223> OTHER INFORMATION: Sequence may include an amino terminal capping group and/or a
72      carboxy terminal capping group
74 <400> SEQUENCE: 3
W--> 76 Xaa Gly Xaa Xaa Xaa Xaa Xaa
77 1      5
80 <210> SEQ ID NO: 4
81 <211> LENGTH: 5
82 <212> TYPE: PRT
83 <213> ORGANISM: Homo sapiens
85 <400> SEQUENCE: 4
87 Asp Gly Asp Gly Asp
88 1      5
91 <210> SEQ ID NO: 5
92 <211> LENGTH: 6
93 <212> TYPE: PRT
94 <213> ORGANISM: Homo sapiens
96 <400> SEQUENCE: 5
98 Asp Gly Asp Gly Phe Ala
99 1      5
102 <210> SEQ ID NO: 6
103 <211> LENGTH: 7
104 <212> TYPE: PRT
105 <213> ORGANISM: Homo sapiens
107 <400> SEQUENCE: 6
109 Asp Gly Asp Gly Asp Phe Ala
110 1      5
113 <210> SEQ ID NO: 7
114 <211> LENGTH: 7
115 <212> TYPE: PRT
116 <213> ORGANISM: Homo sapiens
118 <400> SEQUENCE: 7
120 Asp Gly Asn Gly Asp Phe Ala
121 1      5
124 <210> SEQ ID NO: 8
125 <211> LENGTH: 7
126 <212> TYPE: PRT
127 <213> ORGANISM: Homo sapiens
129 <400> SEQUENCE: 8
131 Asn Gly Asn Gly Asp Phe Ala
132 1      5
135 <210> SEQ ID NO: 9
136 <211> LENGTH: 7
137 <212> TYPE: PRT
138 <213> ORGANISM: Homo sapiens
140 <400> SEQUENCE: 9

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142 Asn Gly Asp Gly Asp Phe Ala

143 1 5

146 &lt;210&gt; SEQ ID NO: 10

147 &lt;211&gt; LENGTH: 8

148 &lt;212&gt; TYPE: PRT

149 &lt;213&gt; ORGANISM: Homo sapiens

152 &lt;220&gt; FEATURE:

153 &lt;221&gt; NAME/KEY: MISC\_FEATURE

154 &lt;222&gt; LOCATION: (1)..(8)

155 &lt;223&gt; OTHER INFORMATION: Sequence may include an amino terminal capping group and/or

a  
156 carboxy terminal capping group

158 &lt;220&gt; FEATURE:

159 &lt;221&gt; NAME/KEY: MISC\_FEATURE

160 &lt;222&gt; LOCATION: (1)..(2)

161 &lt;223&gt; OTHER INFORMATION: X at position 1 is absent or is Ser; X at position 2 is

absent or

162 is Lys

164 &lt;400&gt; SEQUENCE: 10

W--&gt; 166 Xaa Xaa Met Thr Leu Thr Gln Pro

167 1 5

170 &lt;210&gt; SEQ ID NO: 11

171 &lt;211&gt; LENGTH: 6

172 &lt;212&gt; TYPE: PRT

173 &lt;213&gt; ORGANISM: Homo sapiens

175 &lt;400&gt; SEQUENCE: 11

177 Met Thr Leu Thr Gln Pro

178 1 5

181 &lt;210&gt; SEQ ID NO: 12

182 &lt;211&gt; LENGTH: 8

183 &lt;212&gt; TYPE: PRT

184 &lt;213&gt; ORGANISM: Homo sapiens

186 &lt;400&gt; SEQUENCE: 12

188 Ser Lys Met Thr Leu Thr Gln Pro

189 1 5

192 &lt;210&gt; SEQ ID NO: 13

193 &lt;211&gt; LENGTH: 5

194 &lt;212&gt; TYPE: PRT

195 &lt;213&gt; ORGANISM: Homo sapiens

198 &lt;220&gt; FEATURE:

199 &lt;221&gt; NAME/KEY: MISC\_FEATURE

200 &lt;222&gt; LOCATION: (1)..(5)

201 &lt;223&gt; OTHER INFORMATION: X at position 3 is Glu or Leu; X at position 4 is Ala or

Glu; X

202 at position 5 is absent, Leu or Ala

204 &lt;220&gt; FEATURE:

205 &lt;221&gt; NAME/KEY: MISC\_FEATURE

206 &lt;222&gt; LOCATION: (1)..(5)

207 &lt;223&gt; OTHER INFORMATION: Sequence may include an amino terminal capping group and/or

a  
208 carboxy terminal capping group

210 &lt;400&gt; SEQUENCE: 13

W--&gt; 212 Asp Gly Xaa Xaa Xaa

## RAW SEQUENCE LISTING

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Input Set : E:\18519-26 Sequence Listing.txt

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213 1          5
216 <210> SEQ ID NO: 14
217 <211> LENGTH: 4
218 <212> TYPE: PRT
219 <213> ORGANISM: Homo sapiens
222 <220> FEATURE:
223 <221> NAME/KEY: MISC_FEATURE
224 <222> LOCATION: (1)..(4)
225 <223> OTHER INFORMATION: Sequence may contain an amino terminal capping group and/or
a
226         carboxy terminal capping group
228 <220> FEATURE:
229 <221> NAME/KEY: MISC_FEATURE
230 <222> LOCATION: (1)..()
231 <223> OTHER INFORMATION: An acetyl amino terminal capping group may be appended to
the
232         sequence
234 <400> SEQUENCE: 14
236 Asp Gly Glu Ala
237 1
240 <210> SEQ ID NO: 15
241 <211> LENGTH: 11
242 <212> TYPE: PRT
243 <213> ORGANISM: Homo sapiens
246 <220> FEATURE:
247 <221> NAME/KEY: MISC_FEATURE
248 <222> LOCATION: (1)..(7)
249 <223> OTHER INFORMATION: X in the first position is absent or any amino acid; X in
the
250         second position is absent or any amino acid; X in the fifth
251         position is Glu or Leu; X in the sixth position is Ala or Glu; X
252         in the seventh position is absent, Leu or Ala
254 <220> FEATURE:
255 <221> NAME/KEY: MISC_FEATURE
256 <222> LOCATION: (1)..(11)
257 <223> OTHER INFORMATION: Sequence may contain an amino terminal capping group and/or
a
258         carboxy terminal capping group
260 <220> FEATURE:
261 <221> NAME/KEY: MISC_FEATURE
262 <222> LOCATION: (8)..(11)
263 <223> OTHER INFORMATION: X in the eighth position is absent or any amino acid; X in
the
264         ninth position is absent or any amino acid; X in the tenth
265         position is absent or any amino acid; X in the eleventh position
266         is absent or any amino acid
268 <400> SEQUENCE: 15
W--> 270 Xaa Xaa Asp Gly Xaa Xaa Xaa Xaa Xaa Xaa Xaa
271 1          5          10
274 <210> SEQ ID NO: 16
275 <211> LENGTH: 5
276 <212> TYPE: PRT
277 <213> ORGANISM: Homo sapiens

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280 <220> FEATURE:

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Input Set : E:\18519-26 Sequence Listing.txt

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281 <221> NAME/KEY: misc\_feature  
 282 <222> LOCATION: (1)..(5)  
 283 <223> OTHER INFORMATION: Sequence may contain an amino terminal capping group and/or

a

284 carboxy terminal capping group  
 286 <400> SEQUENCE: 16  
 288 Asp Gly Glu Ala Leu  
 289 1 5  
 292 <210> SEQ ID NO: 17  
 293 <211> LENGTH: 5  
 294 <212> TYPE: PRT  
 295 <213> ORGANISM: Homo sapiens  
 297 <400> SEQUENCE: 17  
 299 Asp Gly Leu Glu Ala  
 300 1 5  
 303 <210> SEQ ID NO: 18  
 304 <211> LENGTH: 6  
 305 <212> TYPE: PRT  
 306 <213> ORGANISM: Homo sapiens  
 308 <400> SEQUENCE: 18  
 310 Glu Thr Leu Gln Phe Arg  
 311 1 5  
 314 <210> SEQ ID NO: 19  
 315 <211> LENGTH: 8  
 316 <212> TYPE: PRT  
 317 <213> ORGANISM: Homo sapiens  
 319 <400> SEQUENCE: 19  
 321 Gln Tyr Ser Ile Gly Gly Pro Gln  
 322 1 5  
 325 <210> SEQ ID NO: 20  
 326 <211> LENGTH: 8  
 327 <212> TYPE: PRT  
 328 <213> ORGANISM: Homo sapiens  
 330 <400> SEQUENCE: 20  
 332 Ser Asp Arg Ser Ala Arg Ser Tyr  
 333 1 5  
 336 <210> SEQ ID NO: 21  
 337 <211> LENGTH: 12  
 338 <212> TYPE: PRT  
 339 <213> ORGANISM: Homo sapiens  
 341 <400> SEQUENCE: 21  
 343 Asp Gly Asp Gly Asp Phe Ala Ile Asp Ala Pro Glu .  
 344 1 5 10  
 347 <210> SEQ ID NO: 22  
 348 <211> LENGTH: 5  
 349 <212> TYPE: PRT  
 350 <213> ORGANISM: Homo sapiens  
 352 <400> SEQUENCE: 22  
 354 Asn Gly Asn Gly Asp  
 355 1 5

RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 11/08/2006  
PATENT APPLICATION: US/10/511,530A      TIME: 11:37:43

Input Set : E:\18519-26 Sequence Listing.txt  
Output Set: N:\CRF4\11082006\J511530A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; Xaa Pos. 1, 3, 4, 5, 6, 7  
Seq#:10; Xaa Pos. 1, 2  
Seq#:13; Xaa Pos. 3, 4, 5  
Seq#:15; Xaa Pos. 1, 2, 5, 6, 7, 8, 9, 10, 11



VERIFICATION SUMMARY

DATE: 11/08/2006

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TIME: 11:37:43

Input Set : E:\18519-26 Sequence Listing.txt

Output Set: N:\CRF4\11082006\J511530A.raw

L:76 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
L:166 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0  
L:212 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0  
L:270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0